

CLAIMS:

1. A brake disc comprising:

a mounting section for the attachment to a wheel;

a braking section located at the outside circumference of said mounting

5 section for brake pads to be brought into sliding contact therewith; and

a connecting arm section for connecting each of the plurality of mounting portions of said mounting section and said braking section;

wherein connecting arms in said connecting arm section each extend from their respective ones of said plurality of mounting portions in one side direction
10 different from the radial direction of said braking section to reach said braking section; and

wherein adjacent mounting portions are connected to each other at least through said connecting arm.

2. The brake disc according to claim 1, wherein said braking section and said
15 connecting arm section are arranged such that braking force is applied to said braking section by frictional heat when said brake pads are brought into sliding contact with said braking section, and the whole of said connecting arm section is deformed by thermal expansion during braking of said braking section.

3. The brake disc according to claim 1, wherein the connecting arm
20 extending from one of said mounting portions to said braking section is constituted by one connecting arm.

4. The brake disc according to claim 1, wherein the connecting arm extending from one of said mounting portions to said braking section is constituted by at least two connecting arms.

25 5. The brake disc according to claim 4, wherein at least one connecting arm extending from said one mounting portion is branched in the middle to reach a plurality of locations of said braking section.

6. The brake disc according to claim 4, wherein the connecting arm extending from said one mounting portion is connected, by a reinforcement arm, to a mounting portion located in one side direction of said mounting portion.

5 7. The brake disc according to claim 4, wherein at least two connecting arms extending from said one mounting portion include connecting arms of different lengths, and at least one connecting arm other than a shortest connecting arm is connected, by a reinforcement arm, to a mounting portion located in one side direction of said mounting portion.

10 8. The brake disc according to claim 6, wherein an opening defined by said mounting portions, said connecting arms and said reinforcement arms are in the shape of a polygon and located centrally of the brake disc, is a polygon.

9. The brake disc according to claim 8, wherein said polygon is approximately a regular hexagon.

15 10. The brake disc according to claim 1, wherein said braking section is formed with a plurality of small holes.

11. The brake disc according to claim 1, wherein said brake disc is a brake disc for a motorcycle.

12. A vehicle equipped with the brake disc set forth in claim 1.